STEPAN

STEPAN CHEMICAL COMPANY 1956

QPL

PRODUCT DATA SHEET FEB 19 1982

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Date of Prep.: February 9,1973

SECTION I

Product: STEPANFOAM F-506

Product Class: Toluene Diisocyanate based Prepolymer

Manufacturer's Name:

Address: Stepan Chemical Company
Edens & Winnetka
Northfield, Il. 60093

Tradename: Stepanfoam F-506

Plant Code:

Commodity Code No.:

Emergency Telephone No.: 312 446-7500

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	Percent	TLV PPM	TLV mg/m³	LEL	Vapor Pressure
Not applicable.					

SECTION III - PHYSICAL DATA

Boiling Point: >400°F. Vapor Density [X] Heavier [ ] Lighter than air

Evaporation Rate: [ ] Faster [X] Slower than Ether

% Volatile by wt.: nil

Wt. per Gal.: 10.2 lbs.

SECTION IV - FIRE & EXPLOSION HAZARD DATA

DOT Category: Not regulated combustible.

Flash Point: 270°F. O.C.

LEL: 0.9%

Extinguishing Media:
Carbon dioxide, dry chemical, foam or sand. Water fog may be used with caution. Class B or C fire extinguishers.

Unusual Fire and Explosion Hazards:

May react violently with water when warm.
Pressure may develop in drums when heated.

Special Fire Fighting Procedures: Water may be used to cool drums.

SECTION V - HEALTH HAZARD D[illegible]

Threshold Limit Value: 0.02 ppm for Toluene 2,4-diisocyanate. Federal Register, Vol. 37, No. 202, p. 22141.

Effects of Overexposure:
Contact with eyes or skin will be painful or irritating. Fumes are irritating to mucous membranes and can cause coughing, headache or shortness of breath and may lead to allergenic sensitivity.

Emergency and First Aid Procedures:
Flush eyes thoroughly with plenty of water. See a physician. Wash off skin with soap and water. For fumes, remove to fresh air. Give oxygen, if necessary. Call a physician.

SECTION VI - REACTIVITY DATA

Stability: ☐ Unstable ☒ Stable Conditions to Avoid:

Incompatability (Materials to Avoid): Avoid water, alcohols, alkali, metal compounds.

Hazardous Decomposition Products:
If burned, carbon dioxide carbon monoxide, ammonia, cyanides and smoke may be formed.

Hazardous Polymerization: ☐ May Occur ☒ Will Not Occur

Conditions to Avoid: May react violently with water.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
Ventilate area. Soak up spills with sand or inert material and treat with water containing about 1% ammonia. Shovel into waste containers.

Waste Disposal Method: Bury or incinerate in accordance with all legal regulations. Do not flush to sewer with water as the solids that form will plug sewer.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection:
Use Bureau of Mines approved gas mask suitable for organic vapors, or a mask with an external air source, or a self-contained breathing appratus.

Ventilation: Provide adequate ventilation to keep vapor concentration below TLV of 0.02 ppm and LEL of 0.9%.

Protective Gloves: Use chemically resistant rubber or plastic gloves.

Eye Protection: Use face mask or goggles.

Other Protective Equipment: Wear coveralls or rubber aprons.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:

Store in a cool, dry, well-ventilated area.

Other Precautions: Do not take internally.

Do not pour into drains, as solids that form will plug sewers. Spills and wastes should be reacted with 1% aqueous ammonia before disposal.